



## Submittal Transmittal

TO: David L Wallace & Assoc. CPA  
542 Douglas Avenue  
Dunedin, FL 34698

Date:	11/13/2014
Project #	714 - Home2 Suites - G'ville
Submittal #	S714-08
ATTN:	Peter Gray
RE:	10A & 10B

We are sending you the following: ☐ Attached ☐ Under Separate Cover

Via: ☐ 1<sup>st</sup> Class Mail ☐ Overnight ☐ Facsimile ☐ Pick-Up/Hand Deliver

Copies	Spec No.	Description
1	M3.0.0	10A & 10B Split System

Remarks: Mitsubishi Mini-Splits were quoted as supplier of mechanical units does not rep. Daikin. Although most other items are based on performance based equals the owner mentioned the desire to use Daikin specifically. Feasterco will confirm if there is any concern with Mitsubishi.

Received By: \_\_\_\_\_ Date: \_\_\_\_\_

Signed: \_\_\_\_\_

Title: \_\_\_\_\_

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1622 Hickman Road  
Jacksonville, FL 32216  
(904)807-9899 phone (904)483-3005 fax

## SUBMITTAL FOR:

Plans dated 9/5/14

**PROJECT:** Home2Suites by Hilton

**CONTRACTOR:** ComfortTemp

**ENGINEER:** Delta G Consulting

**PRODUCT:** Air Conditioner

**MANUFACTURER:** Mitsubishi (M & P-Series)

**SPEC SECTION:** NA

**SUBMITTED BY:** Nelson & Company  
1622 Hickman Road  
Jacksonville, FL 32216  
George Sadens

**SUBMITTAL DATE:** October 8, 2014

**FEASTERCO CONSTRUCTION, INC. – SHOP DRAWINGS**

CHECKED FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT, CONSTRUCTION, SIZE AND CONFORMITY TO THE CONTRACT DOCUMENTS. SUBCONTRACTOR SHALL VERIFY ALL DETAILS SUCH AS DIMENSIONS, QUANTITIES AND CAPACITIES. ANY ACTION SHOWN IS SUBJECT TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND DOES NOT RELIEVE THE SUBCONTRACTOR FROM COMPLIANCE WITH THE DOCUMENTS.

☐ NO EXCEPTIONS TAKEN ☐ REVISE AND RESUBMIT

☒ APPROVED AS NOTED ☐ REJECTED

BY: Tom Files

DATE: 11/14/14

# TABLE OF CONTENTS

SECTION 1	CLARIFICATIONS	3
SECTION 2	EQUIPMENT SCHEDULE	5
SECTION 3	UNIT DATA	7
SECTION 4	CONTROLS AND ACCESSORIES	18
	A. WALL MOUNTED WIRED CONTROLLER	
	B. DRAIN PAN LEVEL SENSOR	
	C. LOW AMBIENT WIND BAFFLE	
SECTION 5	WIRING INFORMATION	28
SECTION 6:	WARRANTY	33
SECTION 7	I, O, & M MANUALS	36

# **CLARIFICATIONS**

## **CLARIFICATIONS**

- 1) AHU/CU-10/10A & 10B: Heat Pump Multi Zone (Model: SLZ-KA09/MXZ-20BNNA)  
AHU/CU-11: Straight Cool (Model: PKA-A18NHA/PUY-A18NHA4)
- 2) Unit Voltage= 208/1/60 (SEE SECTION 3: UNIT DATA).
- 3) Refrigerant = R410A (SEE SECTION 3: UNIT DATA).
- 4) SLZ-KA09 indoor units have internal condensate lift mechanism & float switch (SEE SECTION 3: UNIT DATA).
- 5) Wall mounted wired controller (SEE SECTION 4: CONTROLS & ACCESSORIES).
- 6) Drain pan level sensor provided for PKA-18 (SEE SECTION 4: CONTROLS & ACCESSORIES).
- 7) Low ambient wind baffle for PUY-18 outdoor unit only, low ambient is not available for MXZ-2B20NA (SEE SECTION 4: CONTROLS & ACCESSORIES).
- 8) Warranty: Entire unit (parts) = 5 years, 7 years compressor (SEE SECTION 6: WARRANTY).
- 9) Disconnects provided by others.
- 10) Coil coatings have been deleted for VE.

# **EQUIPMENT SCHEDULE**

**HOME2SUITES BY HILTON**

<b>TAG</b>	<b>MODEL</b>	<b>LOCATION</b>
<b>CU-10</b>	<b>MXZ-2B20NA1</b>	<b>POOL RESTROOM</b>
<b>AHU-10A</b>	<b>SLZ-KA09NA</b>	<b>POOL RESTROOM</b>
<b>AHU-10B</b>	<b>SLZ-KA09NA</b>	<b>POOL RESTROOM</b>
<b>CU/AHU-11</b>	<b>PUY-A18NHA/PKA-A18HA4</b>	<b>PBX ROOM</b>

**UNIT DATA**



## SUBMITTAL DATA: MXZ-2B20NA-1

### MULTI-INDOOR INVERTER HEAT-PUMP SYSTEM

Job Name:	Location:	Date:
Purchaser:	Engineer:	
Submitted to:	For <input type="checkbox"/> Reference <input type="checkbox"/> Approval <input type="checkbox"/> Construction	
System Designation:	Schedule No.:	

#### GENERAL FEATURES

- Compact side discharge outdoor unit
- Wireless or wired remote controller, indoor unit dependent
- Quiet operation
- Automatic fan speed control
- Auto restart following power outage
- Self-check function—integrated diagnostics
- Advanced microprocessor control
- Limited warranty: five years parts and seven years compressors

TAG: CU-10

#### ACCESSORIES

- ☐ Air Outlet Guide (MAC-8500G)
- ☐ 2/8" x 1/2" Port Adaptor (MAC-A154JP; for use with 45,000 Btu/h indoor units)



Outdoor Unit: MXZ-2B20NA-1

INVERTER



Specifications			Model Name
Unit Type			MXZ-2B20NA-1
Cooling* (Non-ducted/Ducted)	Rated Capacity	Btu/h	18,000 / 20,000
	Maximum Capacity	Btu/h	20,000 / 20,000
	Total Input	W	1,440 / 2,190
Heating at 47°F* (Non-ducted/Ducted)	Rated Capacity	Btu/h	22,000 / 22,000
	Maximum Capacity	Btu/h	25,500 / 25,500
	Total Input	W	1,650 / 1,780
Heating at 17°F* (Non-ducted/Ducted)	Rated Capacity	Btu/h	12,500 / 12,500
	Total Input	W	1,350 / 1,430
Electrical Requirements	Power Supply	Voltage, Phase, Hertz	208 / 230V, 1-Phase, 60 Hz
	Recommended Fuse/Breaker Size	A	20
	MCA	A	15
Voltage	Indoor - Outdoor S1-S2	V	AC 208 / 230
	Indoor - Outdoor S2-S3	V	DC ±24
Compressor			DC Inverter-driven Twin Rotary
Blower Motor (ECM)		F.L.A.	0.96
Sound Pressure Level (Non-ducted/Ducted)	Cooling	dB(A)	49
	Heating		51
External Dimensions (H x W x D)		In. / mm	27-15/16 x 33-1/16 x 13 / 710 x 840 x 330
Net Weight		Lbs. / kg	130 (59)
External Finish			Munsell No. 3Y 7.8 / 1.1
Refrigerant Pipe Size O.D. — Four Ports	Liquid (High Pressure)	(In. / mm)	1/4 / 6.35
	Gas (Low Pressure)		A,B: 3/8 / 9.52
Max. Refrigerant Line Length		Ft.	164
Max. Piping Length for Each Indoor Unit		Ft.	82
Max. Refrigerant Pipe Height Difference	If Indoor Unit is Above Outdoor Unit	Ft.	49
	If Indoor Unit is Below Outdoor Unit		33
Connection Method			Flared
Refrigerant			R410A

(For data on specific indoor units, see the MXZ-B Technical and Service Manual.)

\* Rating Conditions per AHRI Standard:

Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB  
Cooling | Outdoor: 95° F (35° C) DB / 75° F (24° C) WB

Heating at 47° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB  
Heating at 47° F | Outdoor: 47° F (8° C) DB / 43° F (6° C) WB

Heating at 17° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB  
Heating at 17° F | Outdoor: 17° F (-8° C) DB / 15° F (-9° C) WB

# SPECIFICATIONS: MXZ-2B20NA-1, contd.

## Operating Range:

		Indoor Intake Air Temp.	Outdoor Intake Air Temp.
Cooling	Maximum	95° F (35° C) DB 71° F (22° C) WB	115° F (46° C) DB
	Minimum	67° F (19° C) DB 57° F (14° C) WB	14° F (-10° C) DB
Heating	Maximum	80° F (27° C) DB 67° F (19° C) WB	75° F (24° C) DB 65° F (18° C) WB
	Minimum	70° F (21° C) DB 60° F (16° C) WB	6° F (-14° C) DB 5° F (-15° C) WB

## Energy Efficiencies:

Indoor Unit Type	SEER	EER	HSPF	COP @ 47°F	COP @ 17°F
<b>Non-ducted (09 + 09)</b>	18.0	12.5	8.9	3.9	2.71
<b>Ducted and Non-ducted</b>	16.75	10.8	8.7	3.77	2.64
<b>Ducted (09 + 12)</b>	15.5	9.10	8.5	3.62	2.56

## Multi-zone Indoor/Outdoor Combination Table

	MSZ-FE*	MSZ-GE*	MFZ*	SEZ*	SLZ*	PCA (A24)*	PLA (A12/18/24)*	PEAD (A24)*
<b>MXZ-2B20NA-1</b>	OK	06/09/12/15 OK 18, 24 NO	09/12 OK 18 NO	09/12/15 OK 18 NO	OK	NO	NO	NO

\* Refer to indoor unit submittal.

## Notes:

- Minimum of two Indoor Units must be connected to the MXZ-2B20NA-1.
- Minimum installed capacity cannot be less than 12,000 Btu/h.
- There are NO indoor units larger than 24,000 Btu/h that can be connected to MXZ Systems.
- PLA-A12BA can NOT be connected with MXZ-2B20NA-1/MXZ-3B24NA-1/MXZ-3B30NA-1/MXZ-4B36NA-1.
- System can operate with only one Indoor Unit turned on. (see Operation Performance Table next page for single Indoor Unit performance).
- May connect to any style indoor unit or combination.
- Information provided at 208/230V. Refer to the MXZ Outdoor Unit Service Manual for detailed specifications and additional information per Indoor Unit Combination.

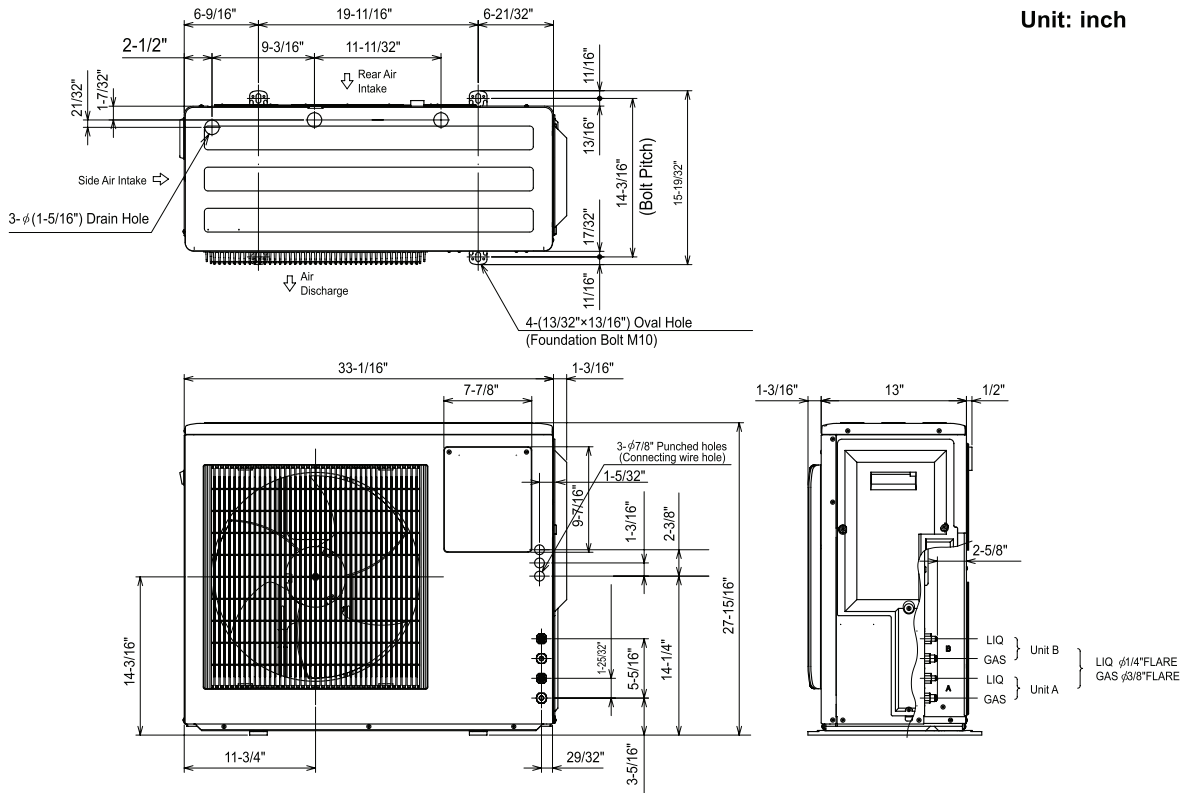
Notes:

# MXZ-2B20NA-1 OPERATION PERFORMANCE

Operation Performance for Indoor Unit Combinations (Unit A + Unit B)	Cooling Capacity Range (Btu/h)			Power Usage Range (W)
	Heating Capacity Range (Btu/h)			
	Unit A	Unit B	Total Range	
6	6,000	-	5,400 - 9,000	490 - 680
	7,400	-	5,200 - 14,400	480 - 1,400
9	9,000	-	5,400 - 9,000	490 - 750
	10,900 - 11,000	-	5,200 - 15,400	480 - 1,430
12	12,000	-	5,400 - 12,000	490 - 1,010
	13,600	-	5,200 - 16,400	480 - 1,460
15	15,000	-	5,400 - 15,000	490 - 1,560
	18,000	-	5,200 - 21,100	480 - 2,100
6 + 6	6,000	6,000	7,800 - 15,000	510 - 1,820
	7,400	7,400	8,500 - 25,500	520 - 2,410
6 + 9	6,000	9,000	7,800 - 18,000	630 - 1,820
	7,400	10,900 - 11,000	8,500 - 25,500	520 - 2,520
6 + 12	6,000	12,000	7,800 - 20,000	630 - 1,820
	7,400	13,600	8,500 - 25,500	520 - 2,520
6 + 15	5,800	14,200	7,800 - 23,000	630 - 2,230
	6,400	15,600	8,500 - 25,500	520 - 2,520
9 + 9	9,000	9,000	7,800 - 20,000	630 - 1,820
	10,900 - 11,000	10,900 - 11,000	8,500 - 25,500	520 - 2,620
9 + 12	8,500	11,500	7,800 - 23,000	630 - 2,230
	9,500	12,500	8,500 - 25,500	520 - 2,620
9 + 15	7,500	12,500	7,800 - 23,000	630 - 2,230
	8,250	13,750	8,500 - 25,500	520 - 2,620
12 + 12	10,000	10,000	7,800 - 23,000	630 - 2,230
	11,000	11,000	8,500 - 25,500	520 - 2,620

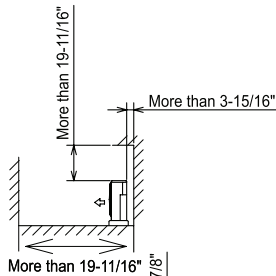
# DIMENSIONS: MXZ-2B20NA-1

Unit: inch

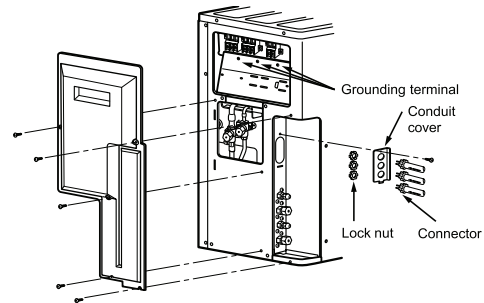
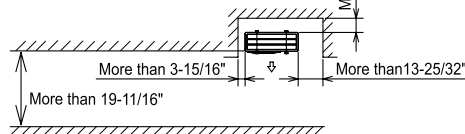


## 1. Installation space

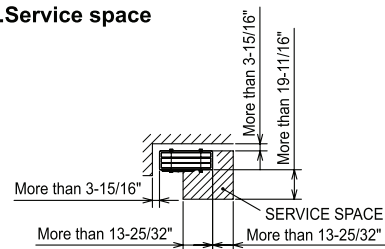
Note : Leave both sides free of obstruction.



Note : Leave overhead free of obstruction.



## 2. Service space



Intertek



1340 Satellite Boulevard  
Suwanee, GA 30024  
Tele: 678-376-2900 • Fax: 800-889-9904  
Toll Free: 800-433-4822  
www.mehvac.com

## SUBMITTAL DATA: SLZ-KA09NA

9,000 BTU/H CEILING-CASSETTE INDOOR UNIT FOR MXZ MULTI-ZONE HEAT-PUMP SYSTEMS

Job Name:

System Reference:

Date:

TAG: AHU-10A &amp; 10B



SLZ-KA09NA

### GENERAL FEATURES

- Four-way 2'x2' ceiling-cassette indoor unit for ceiling recessed applications
- Built-in drain mechanism for condensate removal; lifts to 19-11/16"
- Wide air-flow pattern for better air distribution
- Design features ventilation air intake knockout
- Long-life air filter included with indoor unit
- Indoor unit powered from outdoor unit using A-Control
- Choice of fan speed: Low, Medium, High
- Automatic restart following a power outage
- Limited warranty: five years parts and seven years compressors

### ACCESSORIES

#### Indoor Unit

- ☐ Grille (SLP-15AAUW; required - shipped with unit)

#### Controller Options

- ☐ ~~Wireless Wall-mounted Remote Controller Kit (MR-111)\*~~
- ☐ ~~Portable Control Controller (MCC11)\*~~
- ☐ ~~Outdoor Air Sensor (MOC1)\*~~
- ☐ Wired Wall-mounted Controller (PAR-31MAA)\*
- ☐ ~~Simple MA Remote Controller (PAR-YT500RAU)\*~~
- ☐ ~~See Submittal for information on each option.~~
- ☐ ~~Remote Temperature Sensor (MT1-010-001)~~
- ☐ ~~Hand-held Wireless Remote Controller (PAR-FL32MAA and PAR-FA02MAA)~~
- ☐ ~~Wireless Signal Receiver PAR-FA02MAA (for PAR-FL32MAA)~~
- ☐ ~~Lockdown Bracket for Hand-held Controller (ROMKP10B)~~

### SPECIFICATIONS

Cooling Capacity\* ..... 8,400 Btu/h  
Heating Capacity at 47°F\* ..... 10,900 Btu/h

#### \* Rating Conditions per AHRI Standard

Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB  
Cooling | Outdoor: 95° F (35° C) DB / 75° F (24° C) WB  
Heating at 47°F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB  
Heating at 47°F | Outdoor: 47° F (8° C) DB / 43° F (6° C) WB

(For data on specific indoor units [all ducted, all non-ducted, and both ducted and non-ducted] combinations, see the MXZ Technical and Service Manual.)

#### Electrical Requirements

Power Supply ..... 208 / 230V, 1-Phase, 60 Hz  
MCA ..... 1 A

#### Voltage

Indoor - Outdoor S1-S2 ..... AC 208 / 230V  
Indoor - Outdoor S2-S3 ..... DC ±24V  
Fan Motor (ECM) ..... 0.23 F.L.A.

Airflow (Lo - Med - Hi) ..... 280 - 320 - 350 Dry CFM  
250 - 290 - 320 Wet CFM

Air Filter ..... Polypropylene Honeycomb

Sound Pressure Level (Lo - Med - Hi) ..... .29 - 32 - 38 dB(A)

DIMENSIONS	UNIT INCHES / MM	GRILLE INCHES / MM
W	22-7/16 / 570	25-5/8 / 650
D	22-7/16 / 570	25-5/8 / 650
H	9-1/4 / 235	13/16 / 20

#### Weight (Unit/Grille)

Lbs..... 36 / 7  
kg..... 16.5 / 3

External Finish (Unit/Grille) ..... Galvanized-steel Sheets /  
Munsell 6.4Y 8.9 / 0.4

Field Drainpipe Size O.D..... 1-1/4" / 32 mm

Refrigerant Type ..... R410A

Refrigerant Pipe Size O.D.

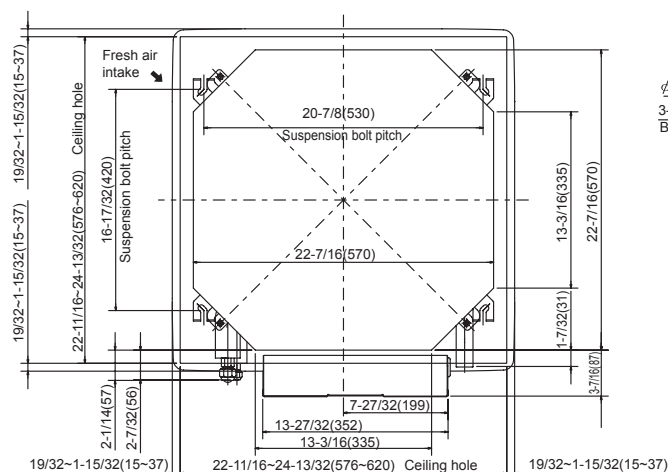
Gas Side ..... 3/8" / 9.52 mm  
Liquid Side ..... 1/4" / 6.35 mm

Connection Method ..... Flared

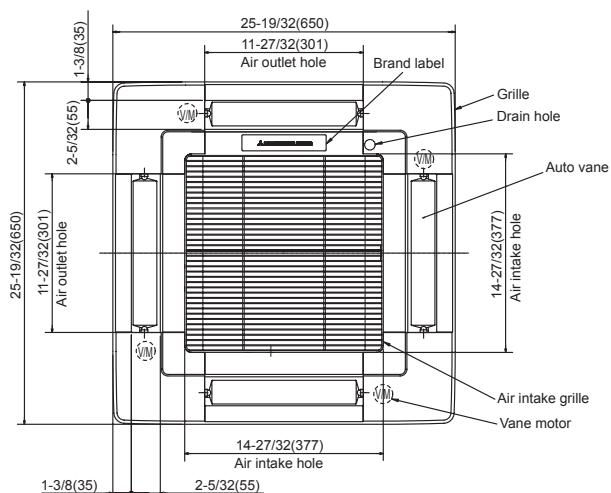
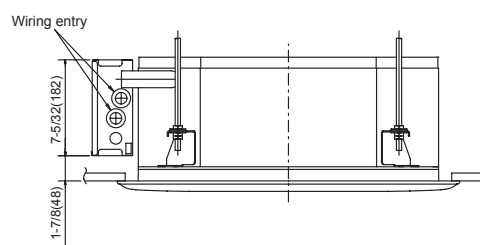
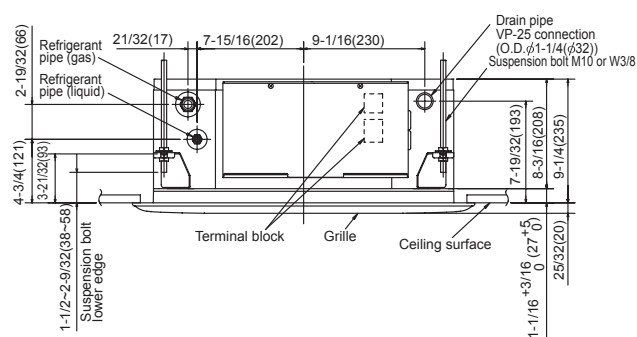
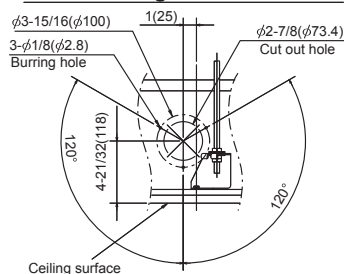


**DIMENSIONS: SLZ-KA09NA**

Unit : inch (mm)



### Detail drawing of fresh air intake



Models	Refrigerant pipe (liquid)	Refrigerant pipe (gas)
SLZ-KA09NA	1/4 inch (φ 6.35mm) flared connection	3/8 inch (φ 9.52mm) flared connection
SLZ-KA12NA	1/4 inch (φ 6.35mm) flared connection	3/8 inch (φ 9.52mm) flared connection
SLZ-KA16NA	1/4 inch (φ 6.35mm) flared connection	1/2 inch (φ 12.7mm) flared connection



COOLING &amp; HEATING

1340 Satellite Boulevard  
Suwanee, GA 30024  
Toll Free: 800-433-4822  
[www.mehvac.com](http://www.mehvac.com)

FORM# SLZ-KA09NA for MXZ MULTI-ZONE SYSTEMS - 201409  
Specifications are subject to change without notice.  
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## SUBMITTAL DATA: PKA-A18HA4 & PUY-A18NHA4 (BS)

18,000 BTU/H WALL-MOUNTED AIR-CONDITIONING SYSTEM

Job Name:

System Reference:

Date:

TAG: CU/AHU-11



Indoor Unit: PKA-A18HA4



Outdoor Unit: PUY-A18NHA4 (BS)

### GENERAL FEATURES

- Wall-mounted indoor unit for residential and commercial applications
- Shiny-white—exterior plastic; compact design
- Quiet operation—both indoor and outdoor units
- Self-check function—integrated diagnostics
- Limited warranty: five years parts and seven years compressors

### UNIT OPTION

- ☐ Standard Model.....PUY-A18NHA4
- ☐ ~~Sea Coast (BS) Model.....PUY-A18NHA4 BS~~

### ACCESSORIES

#### Indoor Unit

- ☐ ~~Condensate Pump (Blue Diamond) X87-711/721; 115/230V)~~
- ☐ Condensate Pump (Sauer mann SI30-115/230; 115/230V)

#### Outdoor Unit

- ☐ ~~Drain Pan (PAG-CC600DP)~~
- ☐ ~~Drain Socket (PAG-CH71DS)~~
- ☐ ~~Three-pole Disconnect Switch (TAZ-MC202)~~
- ☐ Wind Baffle (WB-PA1)
- ☐ ~~Air Outlet Guide (PAG-CC500G)~~
- ☐ ~~Mounting Base (DSD-400M)~~
- ☐ ~~Mounting Rod (ULTRALITE)~~
- ☐ ~~Wall Mounting Brackets (CWMP4)~~

#### Controller Options

- ☐ ~~Wireless Wall-mounted Remote Controller Kit (MIRK1)\*\*~~
- ☐ ~~Portable Control Controller (MOCH1)\*\*~~
- ☐ ~~Outdoor Air Sensor (MOG1)\*\*~~
- ☐ Wired Wall-mounted Controller (PAR-31MAA)\*\*
- ☐ ~~Simple MA Remote Controller (PAG-YT50CRAU)\*\*~~
- ☐ ~~\*\*See Submittal for information on additional:~~
- ☐ ~~M-NET Adapter (PAG-OF80MA)~~
- ☐ ~~ON51 Connector for Multiple Remote Controller Adapters~~
- ☐ ~~Do Not Fan Controller (PAG-725AB)~~
- ☐ ~~ON02 Connector for Remote On/Off (PAG-715AB)~~
- ☐ ~~Remote Temperature Sensor (PAG-SE44TC)~~
- ☐ ~~Remote Operation Adapter, Display and On/Off (PAG-SE40RM)~~
- ☐ ~~Hand-held Wireless Remote Controller (PAR-FL32MA; Receiver Built-in)~~
- ☐ ~~Lockdown Bracket for Hand-held Controller (RCMKP1CB)~~
- ☐ ~~Control/Service Tool (PAG-SK52ST)~~



# SPECIFICATIONS: PKA-A18HA4 & PUY-A18NHA4 (PS)

## Cooling\*

Rated Capacity	18,000 Btu/h
Minimum Capacity	8,000 Btu/h
SEER	15.3 Btu/h/W
EER	8.0 Btu/h/W
Total Input	2,240 W

## \* Rating Conditions per AHRI Standard

Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB  
Cooling | Outdoor: 95° F (35° C) DB / 75° F (24° C) WB

## Electrical Requirements

Power Supply . . . . . 208 / 230V, 1-Phase, 60 Hz  
Recommended Fuse/Breaker Size . . . . . 15 A

## Voltage

Indoor - Outdoor S1-S2 . . . . . AC 208 / 230V  
Indoor - Outdoor S2-S3 . . . . . DC ±24V

## OPERATING RANGE

		Indoor Intake Air Temp.	Outdoor Intake Air Temp.
Cooling	Maximum	95° F (35° C) DB 71° F (22° C) WB	115° F (46° C) DB
	Minimum	67° F (19° C) DB 57° F (14° C) WB	0° F** (-18° C) DB

\*\* With optional wind baffle accessory installed. If not installed, the minimum temperature will be 23° F (-5° C) DB.

## Indoor Unit

MCA	1 A
Blower Motor (ECM)	0.33 F.L.A.
Blower Motor Output	30 W
Airflow (Lo - Mid - Hi)	320 - 370 - 425 Dry CFM 290 - 335 - 380 Wet CFM
Air Filter	Polypropylene Honeycomb
Sound Pressure Level (Lo - Mid - Hi)	36 - 40 - 43 dB(A)
SHF	0.68
Moisture Removal	5.2 pt./h

DIMENSIONS	UNIT INCHES / MM
W	35-3/8 / 898
D	9-13/16 / 249
H	11-5/8 / 295

Weight . . . . . 29 lbs. / 13 kg  
External Finish . . . . . Munsell No. 1.0Y 9.2 / 0.2  
Field Drainpipe Size O.D. . . . . 5/8" / 16 mm

## Outdoor Unit

Compressor	DC Inverter-driven Twin Rotary
MCA	13 A
MOCP	20 A
Fan Motor (ECM)	0.35 F.L.A.
Sound Pressure Level	
Cooling	.48 dB(A)

DIMENSIONS	INCHES / MM
W	31-1/2 / 800
D	11-13/16 + 7/8 / 300 + 23
H	23-5/8 / 600

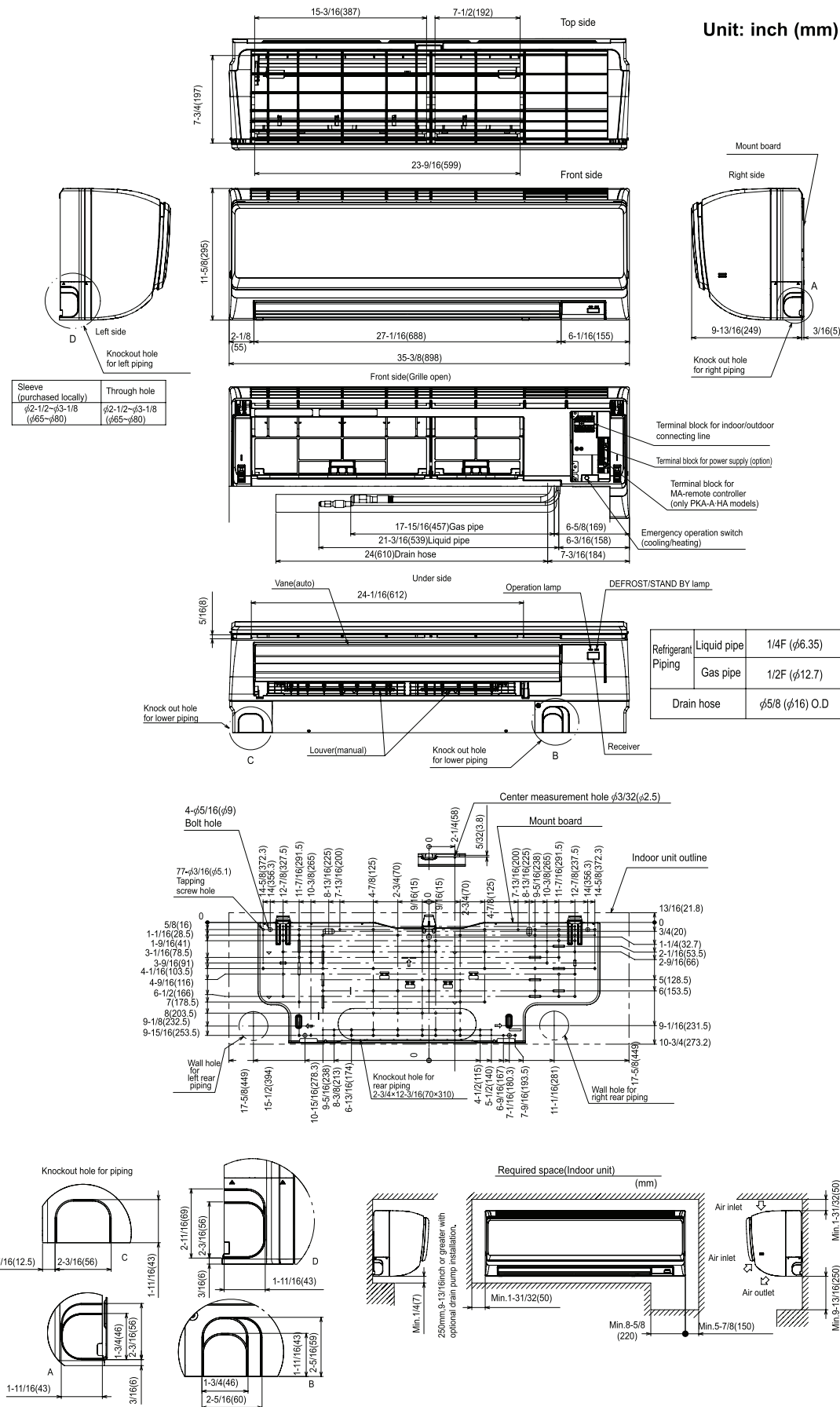
Weight . . . . . 89 lbs. / 40 kg  
External Finish . . . . . Munsell No. 3Y 7.8 / 1.1  
Refrigerant Type . . . . . R410A  
Refrigerant Pipe Size O.D.  
Gas Side . . . . . 1/2" / 12.7 mm  
Liquid Side . . . . . 1/4" / 6.35 mm  
Max. Refrigerant Pipe Length . . . . . 100' / 30 m  
Max. Refrigerant Pipe Height Difference . . . . . 100' / 30 m  
Connection Method . . . . . Flared

Notes:



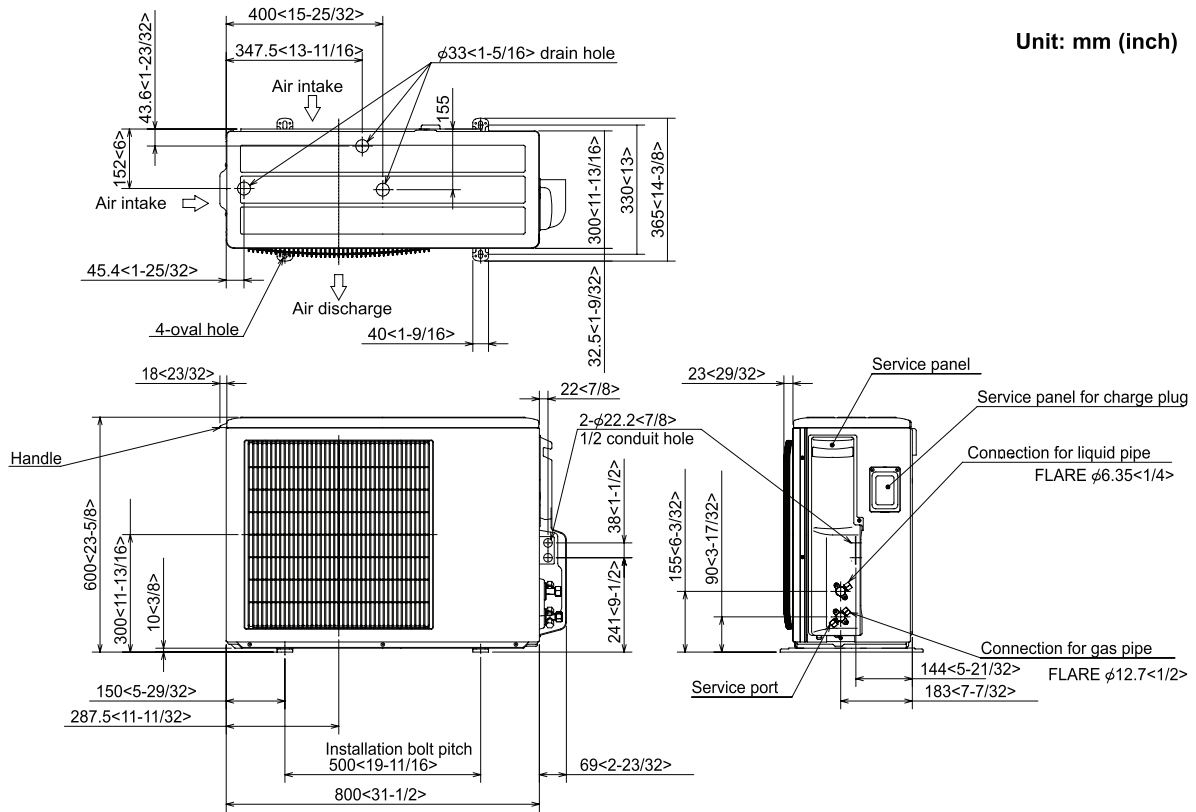
# DIMENSIONS: PKA-A18HA4 (BS)

Unit: inch (mm)

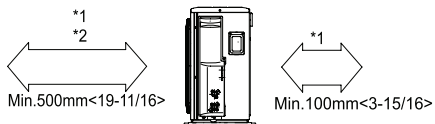
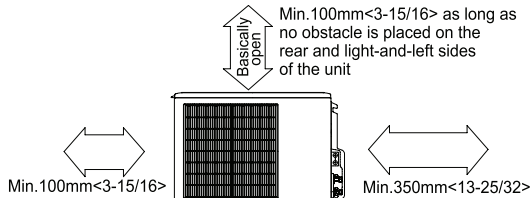


## DIMENSIONS: PUY-A18NHA4 (-BS)

Unit: mm (inch)



### Clearance space around the outdoor unit



2 sides should be open in the right, left and rear side.

### Minimum installation space for outdoor unit

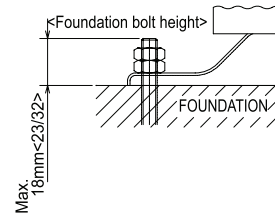
\*1 In the place where short cycle tends to occur, cooling and heating capacity and power consumption might get lowered 10%.

Air outlet guide (optional) will help them improve.

\*2 If air discharges to the wall, the surface might get stained.

## FOUNDATION BOLTS

Please secure the unit firmly with 4 foundation M10<W3/8> bolts. (Bolts, washers and nut must be purchased locally.)

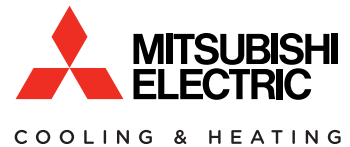


## PIPING-WIRING DIRECTION

Piping and wiring connection can be made from the rear direction only.



# Intertek



1340 Satellite Boulevard  
Suwanee, GA 30024  
Toll Free: 800-433-4822  
[www.mehvac.com](http://www.mehvac.com)

**CONTROLS & ACCESSORIES**

**A. Wall Mounted Wired Controller**

**B. Drain Pan Level Sensor**

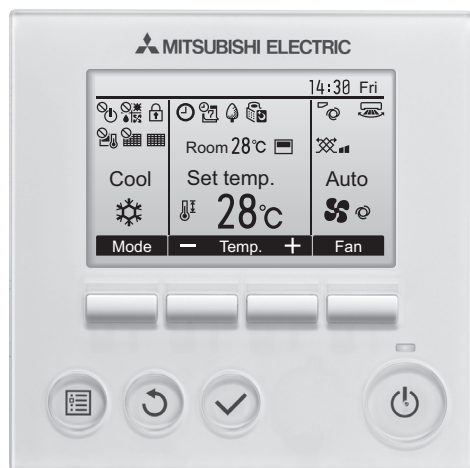
**C. Low Ambient Wind Baffle**

## **A. Wall Mounted Wired Controller**

Model: PAR-31MAA

Job Name:	Location:	Date:
Purchaser:	Engineer:	
Submitted to:	For <input type="checkbox"/> Reference <input type="checkbox"/> Approval <input type="checkbox"/> Construction	
System Designation:	Schedule No.:	

**QTY=3**



## BACKLIT MA REMOTE CONTROLLER (PAR-31MAA) SPECIFICATIONS

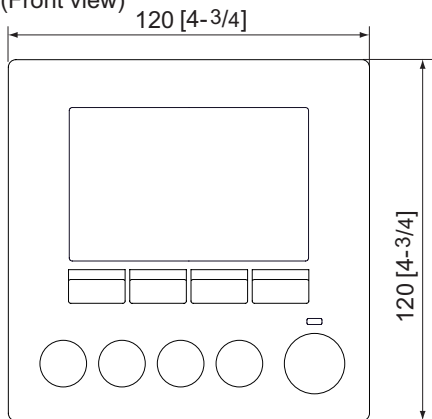
- Controls group operation for up to 16 indoor units in a single group
- Features selectable multi-lingual LCD (English, Spanish, and French)
- Supports both Fahrenheit and Celsius
- User functions allow user to set
  - On/Off
  - Operation modes cool, heat, dry, fan
  - Set temperature
  - Fan speed setting
  - Airflow direction
- Timer Operation:
  - Weekly Timer: On/Off/Temperature setting up to 8 times per day of the week in 1-minute increments
  - Simple Timer: On and Off time can be set once within 72-hour period in 1-hour increments
  - Auto-off Timer: Turns indoor unit Off based on countdown time up to 4-hours in 30-minute increments
- Room Temperature: Displays room temperature sensed either at the indoor unit (default) or at the remote controller
- Set Temperature Range Limit: From the Backlit MA Controller, the allowable set temperature range can be reduced for cool and heat modes
- Special Function Rotation/Backup (Lead/Lag for P-Series)
- Static pressure setting (model dependent)
- Fan speed setting for use with supplemental heating function (model dependent)
- Set P-Series twinning function
- Function Lock Out: Prohibits all functions or all functions except On/Off from the backlit MA controller
- Addressing: No addressing required
- Wiring: connects using two-wire, stranded, non-polar control wire to indoor unit connection terminal or control adapter (MAC-333IF for M-Series) requires crossover wiring for indoor unit grouping
- Dimensions: 4-3/4 x 3/4 x 4-3/4" (120 x 19 x 120 mm)

Notes:

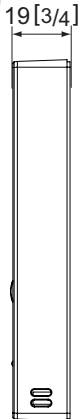
# Model: PAR-31MAA - DIMENSIONS

Unit:mm[in.]

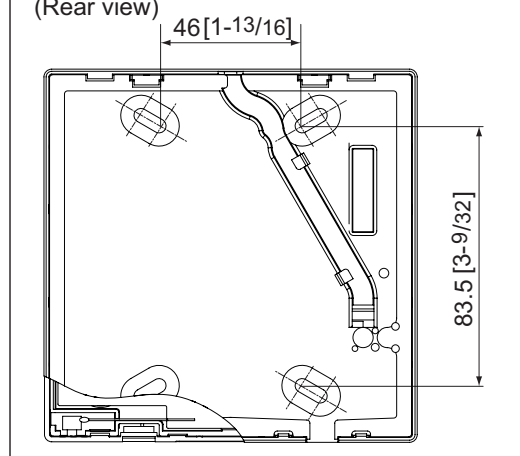
(Front view)



(Side view)



(Rear view)



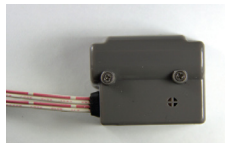
## **B. Drain Pan Level Sensor**

**SUBMITTAL DATA: DPLS1.....DRAIN PANEL LEVEL SENSOR / LEVEL CONTROL**

Job Name:	Location:	Date:
Purchaser:	Engineer:	
Submitted to:	For <input type="checkbox"/> Reference <input type="checkbox"/> Approval <input type="checkbox"/> Construction	
System Designation:	Schedule No.:	

**GENERAL FEATURES**
**QTY=1**

- The DPLS1 Drain Pan Level Sensor / Control provides protection against drain pan overflow in Mitsubishi Electric Mr. Slim and CITY MULTI Indoor Units. It will sense a high condensate level in the drain pan. Should this occur the control shuts down the indoor unit before an overflow can occur. A thermistor error code will be produced should the DPLS1 activate indicating a fault which must be resolved before the unit re-starts
- Provides electronic overflow protection for Drain Pans in all Mr. Slim and CITY MULTI indoor units: MFZ, MS, MSY/Z, SEZ, SLZ, PCA/PCFY, PDFY, PEA/PEAD/PEFY, PKA/PKIFY, PLA, PLKA/PLFY, PMFY, and PVFY
- Meets requirements as listed alternative to secondary drain pans in all indoor unit installations covered by the International Mechanical Code and adaptations ground level.
- Powered by a twenty-year life Lithium battery, factory installed prior to shipment. No external electric power needed for operation. There is an audible indication of low battery condition, should it ever need to be replaced.

**COMPONENTS**


Control Box



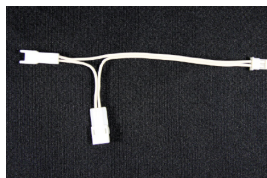
Water Sensor



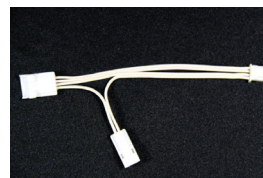
Splice Connector



M2 Wire Harness



P Wire Harness



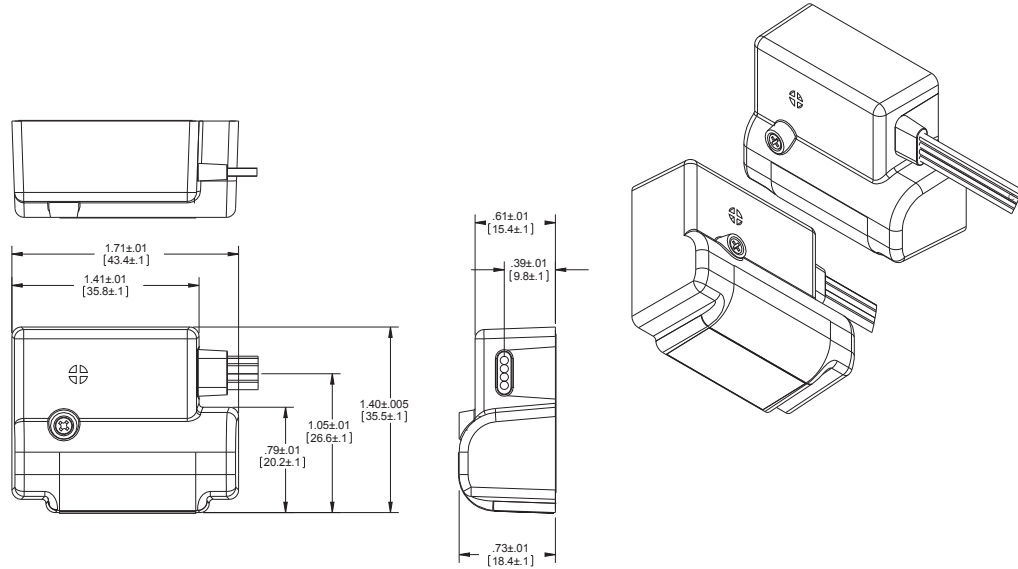
M1 Wire Harness

Type of Harness	Indoor Unit Models	Connector to Indoor Unit Control Board	Connector to Thermistor	Connector to Control Box
M2 Wire Harness	MS MFZ	2 pin, female connector (with black heat shrink) to CN111	2 pin, male connector to: RT11 (Room Temp. Thermistor)	2 pin, male connector
P Wire Harness	PKA PCA PEA(D) SEZ PLA	2 pin, female connector to CN20	2 pin, male connector to: TH1 (Room Temp. Thermistor)	2 pin, male connector
	SLZ PKFY-P**NBMU-E PLFY-P**NCMU-E PMFY-P**NBMU-E PVFY-P**E00A PEFY-P**NMHU-E	2 pin, female connector to CN20, CN21 or CN29	2 pin, male connector to: • TH1 (Room Temp. Thermistor) or TH22 (Pipe Temp. and Thermistor/Liquid) or TH23 (Pipe Temp Thermistor/Gas)	
M1 Wire Harness	PLA PKA PCA PEA(D) SEZ PKFY-P**NH/ KMU-E PLFY-P**NBMU-E PCFY-P**NKMU-E PEFY-P**NMS/AU-E	4 pin, female connector to CN44	4 pin, male connector to: • TH2 (Pipe Temp. Thermistor/ Liquid) and • TH5 (Pipe Temp. Thermistor/ Gas)	2 pin, male connector
	MS	4 pin, female connector to CN112	4 pin, male connector to: RT12 (Coil Temp. Thermistor)	
	MSZ/Y		4 pin, male connector to: • RT12 (Coil Temp. Thermistor – Main) and • RT13 (Coil Temp. Thermistor – Sub)	
	MFZ	4 pin, female connector to CN113	4 pin, male connector to: RT15 (Coil Temp. Thermistor)	

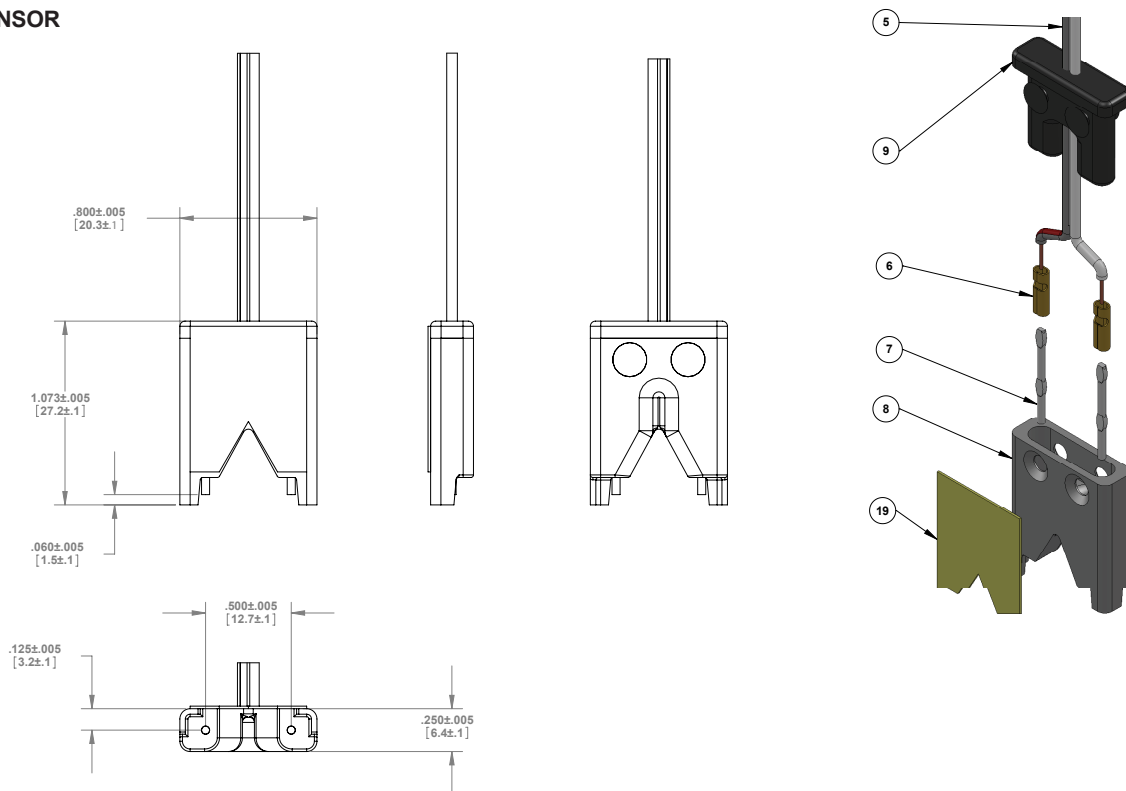


# DIMENSIONS: DPLS1

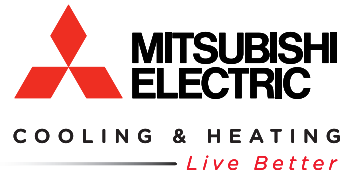
## CONTROL BOX



## WATER SENSOR



MANUFACTURED FOR :



3400 Lawrenceville Suwanee Rd  
Suwanee, GA 30024  
Tele: 678-376-2900 • Fax: 800-889-9904  
Toll Free: 800-433-4822 (#3)  
www.mehvac.com  
Specifications are subject to change without notice.

## **C. Low Ambient Wind Baffle**

# WIND BAFFLE

## WB-PA1 / WB-PA2 / WB-PA3

Manufactured for MITSUBISHI ELECTRIC US, INC.  
DESIGNED FOR P-SERIES AND PUMY OUTDOOR UNITS ONLY

Job Name:

Schedule Reference:

Date:

### GENERAL FEATURES

- Allows P-Series outdoor units to operate to 0° F DB cooling.
- Allows PUMY outdoor units to operate to 23° F DB cooling.
- Prevents wind from reversing outdoor fan rotation.
- Durable, low maintenance construction.

### PLEASE NOTE

- Install outdoor units with the back surface facing wall side to eliminate the effects of external wind.
- Outdoor units should not be installed in an orientation or site where the wind blows directly at the back of the unit.
- Wind baffle should not be used where there is any obstacle at either side or above the outdoor unit as the discharged air will be blocked.

### MODEL REQUIRED PER OUTDOOR UNIT

UNIT MODEL	Type and Quantity		
	WB-PA1	WB-PA2	WB-PA3
<del>PUY/Z-A12NHA4</del>	<del>1</del>		
PUY/Z-A18NHA4	1		
<del>PUY/Z-A24NHA4</del>		<del>1</del>	
<del>PUY/Z-A30NHA4</del>		<del>1</del>	
<del>PUY/Z-A36NHA4</del>		<del>1</del>	
<del>PUY/Z-A42NHA4</del>		<del>2</del>	
<del>PUY/Z-A42NHA5</del>		<del>2</del>	
<del>PUZ-HA30NHA4</del>		<del>2</del>	
<del>PUZ-HA36NHA4</del>		<del>2</del>	
<del>PUMY-P36NHMU</del>		<del>2</del>	
<del>PUMY-P48NHMU</del>		<del>2</del>	
<del>PUMY-P60NKMU</del>			<del>2</del>



WB-PA1



WB-PA2 / WB-PA3

### SPECIFICATIONS

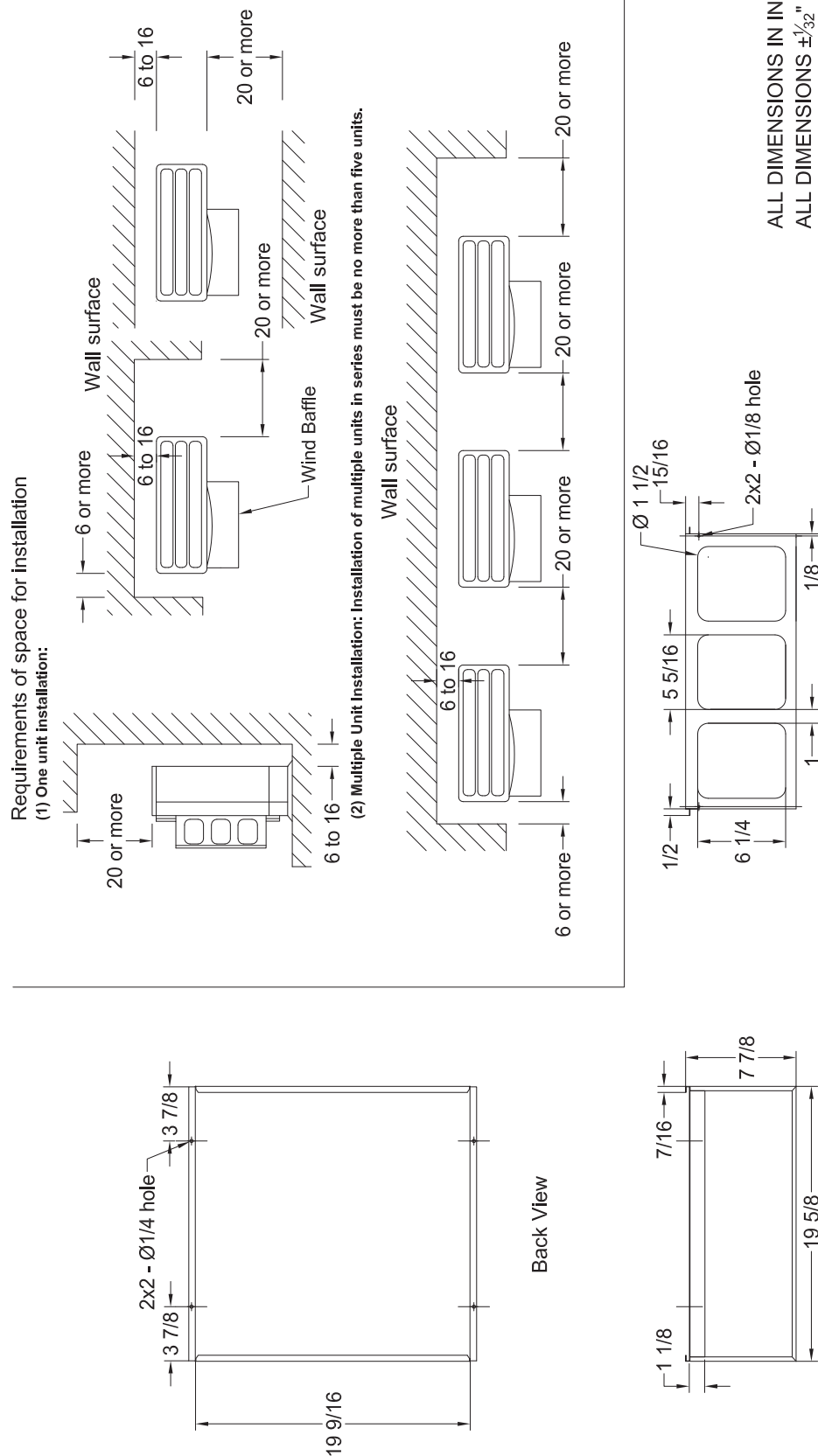
		WB-PA1
Exterior	Color	Ivory
	Surface Treatment	Polyester Powder Paint
	Material	Alloy hot-dip zinc coated carbon steel sheet
Weight		7 lb 7.9 oz

		WB-PA2
Exterior	Color	Ivory
	Surface Treatment	Acrylic resin coating
	Material	Alloy hot-dip zinc coated carbon steel sheet
Weight		8 lb 4.4 oz

		WB-PA3
Exterior	Color	Ivory
	Surface Treatment	Acrylic resin coating
	Material	Alloy hot-dip zinc coated carbon steel sheet
Weight		8 lb 8 oz

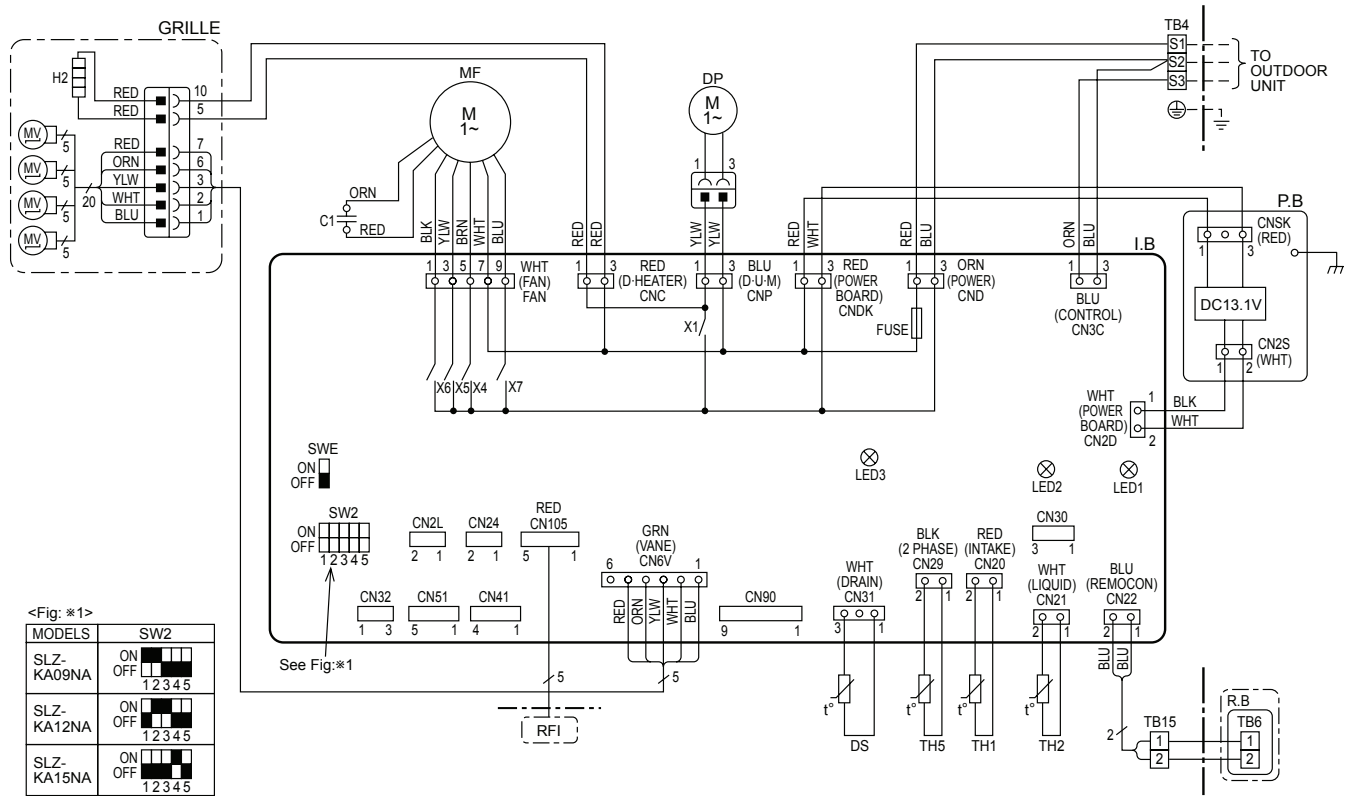
Notes:

# DIMENSIONS: WB-PA1



# **WIRING INFORMATION**

SLZ-KA09NA.TH

~~SLZ-KA12NA.TH~~~~SLZ-KA15NA.TH~~

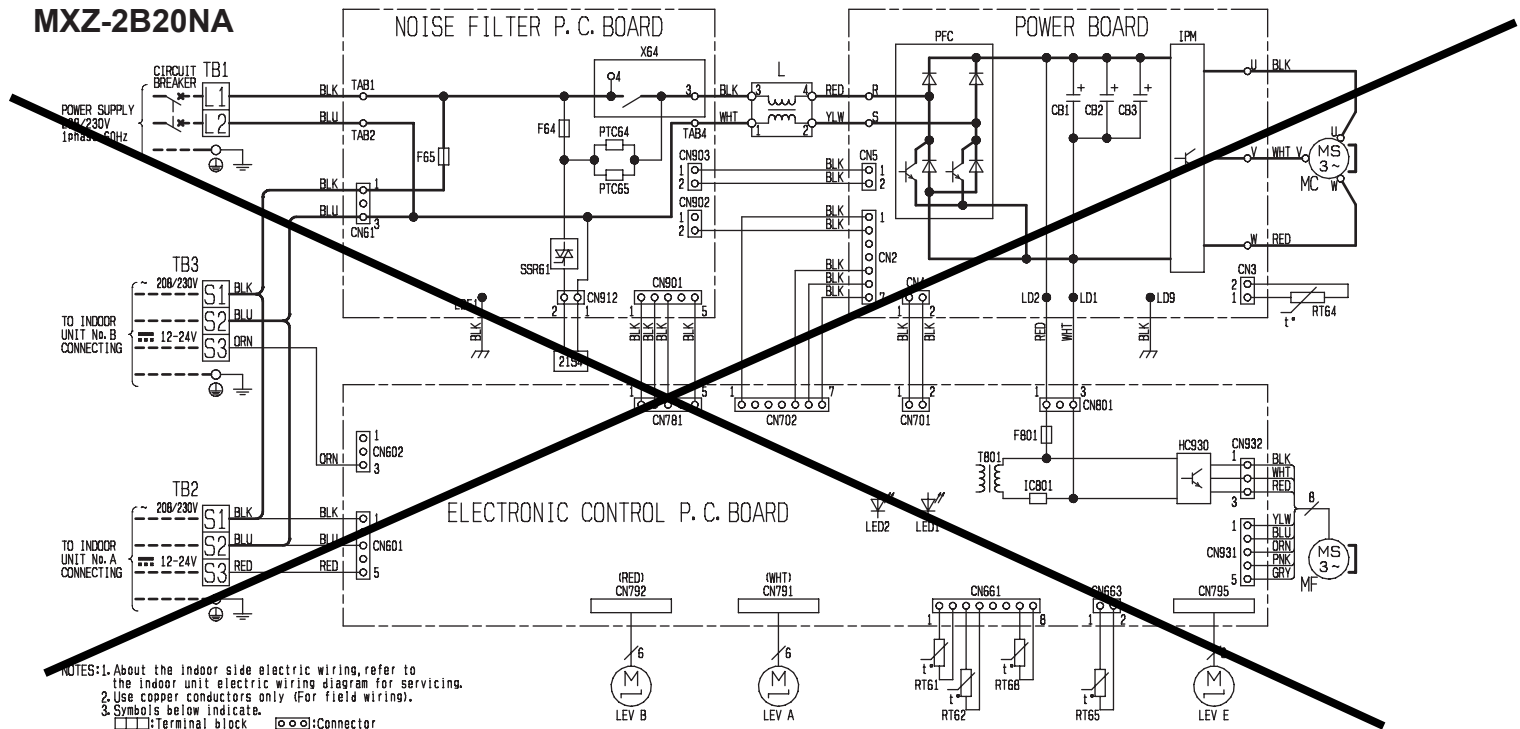
## [LEGEND]

SYMBOL	NAME	SYMBOL	NAME
P.B	INDOOR POWER BOARD	C1	CAPACITOR (FAN MOTOR)
I.B	INDOOR CONTROLLER BOARD	DP	DRAIN PUMP
CN2L	CONNECTOR (LOSSNAY)	DS	DRAIN SENSOR
CN24	CONNECTOR (BACK-UP HEATING)	RFI	RADIO FREQUENCY INTERFACE FOR RF THERMOSTAT
CN30	CONNECTOR (LLC)	H2	DEW PREVENTION HEATER
CN32	CONNECTOR (REMOTE SWITCH)	MF	FAN MOTOR (WITH THERMAL FUSE)
CN41	CONNECTOR (HA TERMINAL-A)	MV	VANE MOTOR
CN51	CENTRALLY CONTROL	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
CN105	CONNECTOR (RADIO FREQUENCY INTERFACE)	TB15	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
FUSE	FUSE (T6.3AL250V)	TH1	ROOM TEMP. THERMISTOR (32°F / 15kΩ, 77°F / 5.4kΩ DETECT)
LED1	POWER SUPPLY (I.B)	TH2	PIPE TEMP. THERMISTOR/LIQUID (32°F / 15kΩ, 77°F / 5.4kΩ DETECT)
LED2	POWER SUPPLY (I.B)	TH5	COND. / EVA. TEMP. THERMISTOR (32°F / 15kΩ, 77°F / 5.4kΩ DETECT)
LED3	TRANSMISSION (INDOOR-OUTDOOR)	OPTION PART	
SW2	SWITCH (CAPACITY CODE)	R.B	WIRED REMOTE CONTROLLER BOARD
SWE	SWITCH (EMERGENCY OPERATION)	TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
X1	DRAIN PUMP/DEW PREVENTION HEATER		
X4	RELAY (FAN MOTOR LL)		
X5	RELAY (FAN MOTOR Lo)		
X6	RELAY (FAN MOTOR Hi)		
X7	RELAY (FAN MOTOR Me)		

- NOTES: 1. Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
2. Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1, S2, S3).
3. Use copper supply wires.
4. Symbols used in wiring diagram above are, : Connector, : Terminal (block).

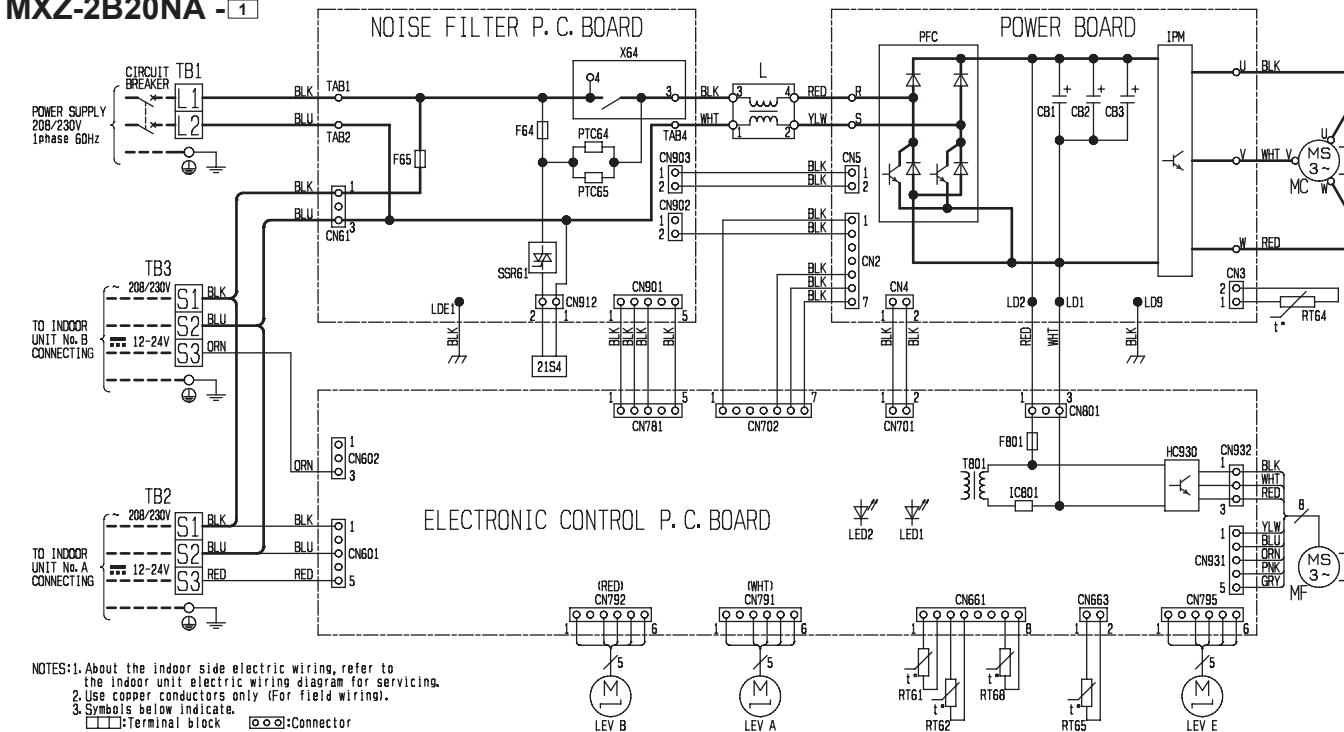
\*For details on how to operate self-diagnosis refer to the technical manuals etc.

## MXZ-2B20NA



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	IPM	POWER MODULE	MF	FAN MOTOR	RT65	AMBIENT TEMP. THERMISTOR	21S4	REVERSING VALVE SOLENOID COIL
F64	FUSE (T2AL250V)	L	REACTOR	PFC	POWER FACTOR CONTROLLER	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR		
F65	FUSE (T6. 3AL250V)	LED1, 2	LED	PTC64, 65	CIRCUIT PROTECTION	SSR61	SOLENOID COIL RELAY		
F801	FUSE (T3. 15AL250V)	LEV A, B	EXPANSION VALVE	RT61	DEFROST THERMISTOR	T801	TRANSFORMER		
HC930	POWER MODULE	LEV E	EXPANSION VALVE	RT62	DISCHARGE TEMP. THERMISTOR	TB1~3	TERMINAL BLOCK		
IC801	POWER DEVICE	MC	COMPRESSOR	RT64	FIN TEMP. THERMISTOR	X64	RELAY		

## MXZ-2B20NA - 1

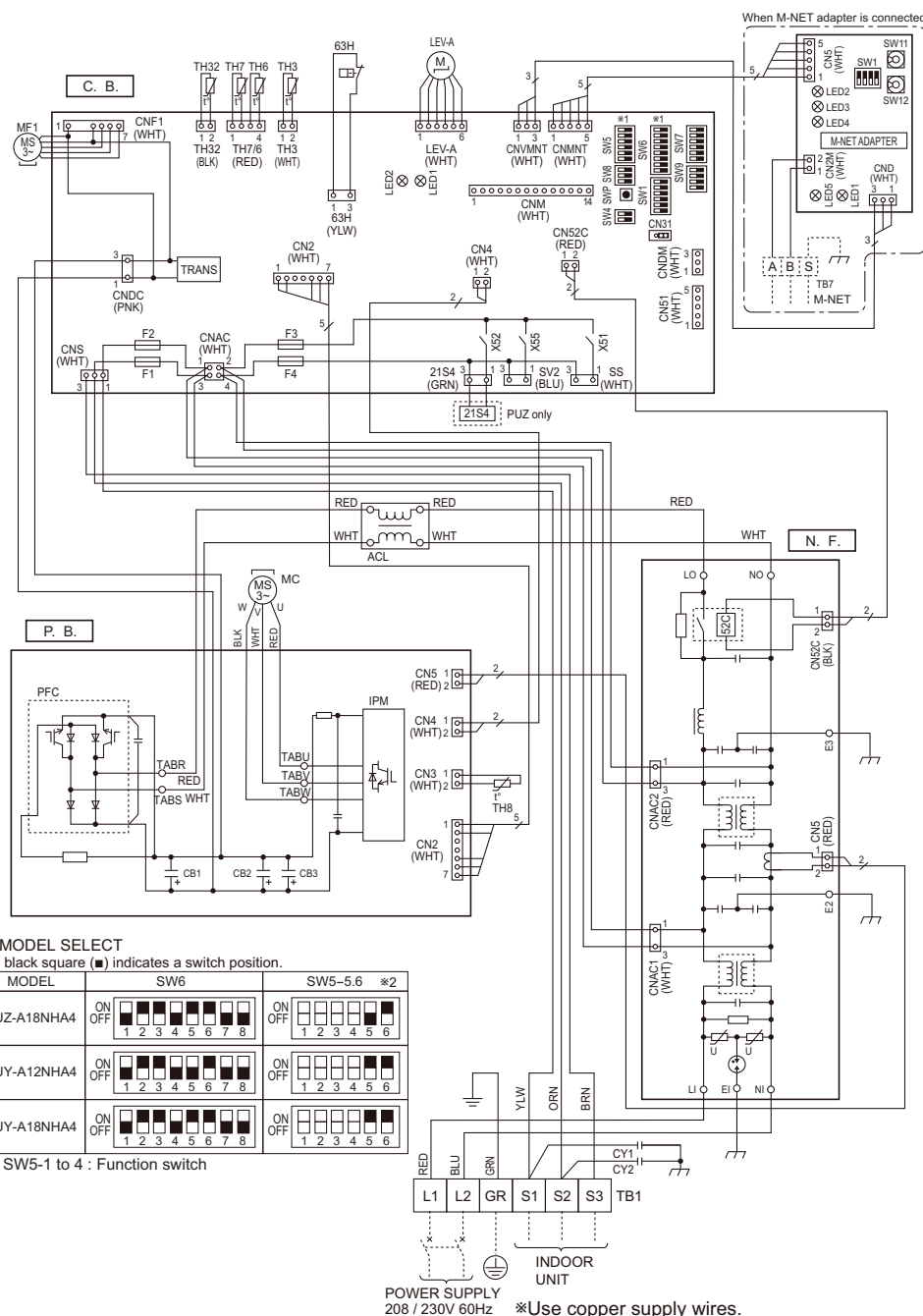


SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	IPM	POWER MODULE	MF	FAN MOTOR	RT65	AMBIENT TEMP. THERMISTOR	21S4	REVERSING VALVE SOLENOID COIL
F64	FUSE (T2AL250V)	L	REACTOR	PFC	POWER FACTOR CONTROLLER	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR		
F65	FUSE (T6. 3AL250V)	LED1, 2	LED	PTC64, 65	CIRCUIT PROTECTION	SSR61	SOLENOID COIL RELAY		
F801	FUSE (T3. 15AL250V)	LEV A, B	EXPANSION VALVE	RT61	DEFROST THERMISTOR	T801	TRANSFORMER		
HC930	POWER MODULE	LEV E	EXPANSION VALVE	RT62	DISCHARGE TEMP. THERMISTOR	TB1~3	TERMINAL BLOCK		
IC801	POWER DEVICE	MC	COMPRESSOR	RT64	FIN TEMP. THERMISTOR	X64	RELAY		

~~PUZ-A18NHA4~~ ~~PUZ-A18NHA4-B9~~ PUY-A12/18NHA4 ~~PUY-A12/18NHA4-B9~~

## [LEGEND]

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block<Power Supply, Indoor/Outdoor>	PFC	Converter	SW9	Switch
MC	Motor for Compressor	IPM	Power Module	LED1,LED2	LED<Operation Inspection Indicators>
MF1	Fan Motor	CB1~CB3	Main Smoothing Capacitor	F1~F4	Fuse<T6.3AL250V>
21S4	Solenoid Valve (Four-Way Valve)	N.F.	Noise Filter Circuit Board	SWP	Switch<Pump Down>
63H	High Pressure Switch	LI/LO	Connection Terminal<L1-Phase>	CN31	Connector<Emergency Operation>
TH3	Thermistor<Outdoor Pipe>	NI/NO	Connection Terminal<L2-Phase>	SS	Connector<Connection for Option>
TH6	Thermistor<Outdoor 2-Phase Pipe>	E1,E2,E3	Connection Terminal<Ground>	CNM	Connector<A-Control Service Inspection Kit>
TH7	Thermistor<Outdoor>	52C	52C Relay	CNMNT	Connector<Connected to Optional M-NET Adapter Board>
TH8	Thermistor<Heatsink>	C.B.	Controller Circuit Board	CNMVNT	Connector<Connected to Optional M-NET Adapter Board>
TH32	Thermistor<Shell>	SW1	Switch<Forced Defrost, Defect History Record Reset, Refrigerant Address>	CNDM	Connector<Connected for Option (Contact Input)>
LEV-A	Electronic Expansion Valve	SW4	Switch<Test Operation>	CN51	Connector<Connected for Option (Signal output)>
ACL	Reactor	SW5	Switch<Function Switch>	X51, X52, X55	Relay
CY1,CY2	Capacitor	SW6	Switch<Model Select>		
P.B.	Power Circuit Board	SW7	Switch<Function Setup>		
TABR/S	Connection Terminal<L1/L2-Phase>	SW8	Switch<Function Setup>		
TABU/V/W	Connection Terminal<U/V/W-Phase>				



## M-NET ADAPTER

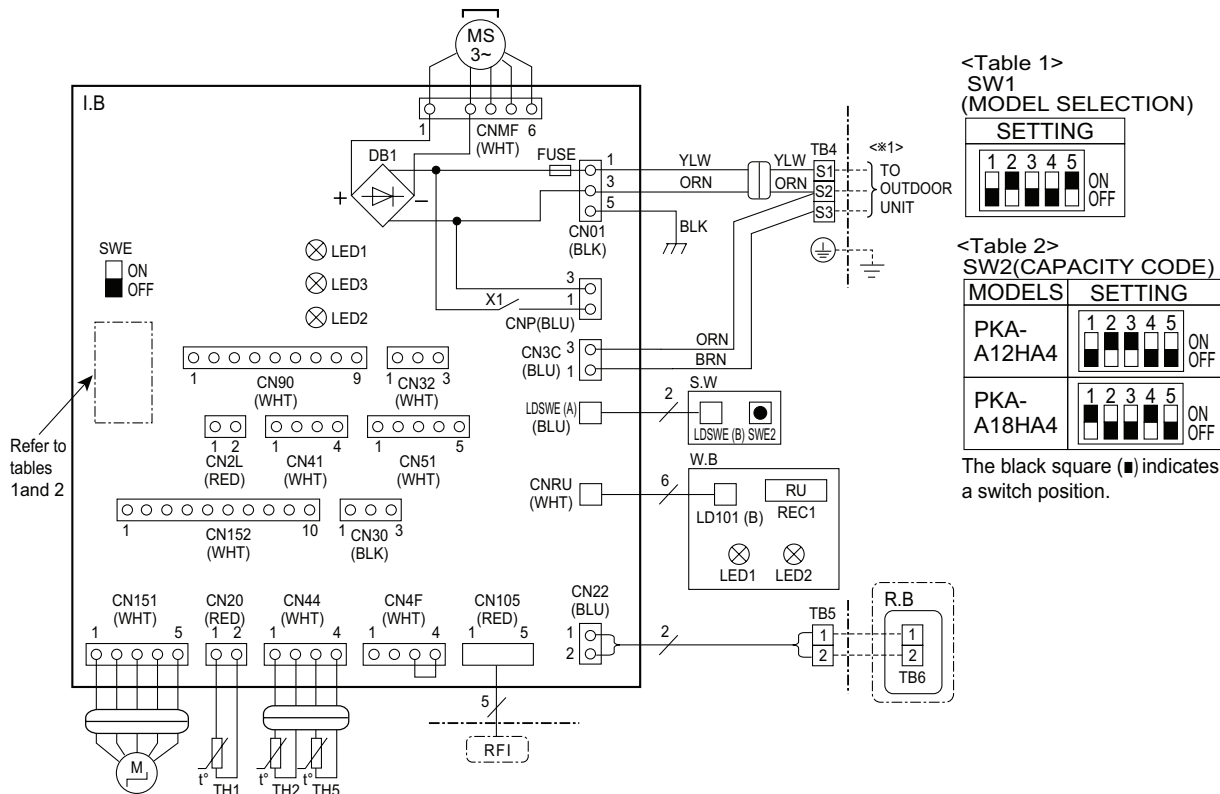
SYMBOL	NAME
TB7	Terminal Block<M-net connection>
CN5	Connector<Transmission>
CND	Connector<Power Supply>
CN2M	Connector<M-NET communication>
SW1	Switch<Status of communication>
SW11	Switch<Address setting : 1s digit>
SW12	Switch<Address setting : 10s digit>
LED1	LED<Power Supply : DC5V>
LED2	LED<Connection to Outdoor Unit>
LED3	LED<Transmission : Sending>
LED4	LED<Transmission : Receiving>
LED5	LED<Power Supply : DC12V>



~~PKA-A12HA4~~ PKA-A18HA4

## [LEGEND]

Symbol	Name	Symbol	Name
I.B	Indoor controller board	M	Vane motor
CN2L	Connector (LOSSNAY)	MS	Fan motor
CN30	Connector (LLC)	S.W	Switch board
CN32	Connector ( Remote switch)	SWE2	Emergency operation
CN41	Connector (HA terminal-A)	TB2	Terminal block (Indoor unit Power (option))
CN51	Connector (Centrally control)	TB4	Terminal block (Indoor/outdoor connecting line)
CN90	Connector (Remote operation adapter)	TB5	Terminal block (Remote controller transmission line)
CN105	Connector (Radio frequency interface)	TH1	Room temp. Thermistor (32°F/15KΩ, 77°F/5.4KΩ Detect)
CN152	Connector (Back-up heating)	TH2	Pipe temp. Thermistor/liquid (32°F/15KΩ, 77°F/5.4KΩ Detect)
FUSE	FUSE(T3.15AL250V)	TH5	Cond./eva. temp. Thermistor (32°F/15KΩ, 77°F/5.4KΩ Detect)
LED1	Power supply (I.B)	W.B	Pcb for IR wireless remote controller
LED2	Power supply (R.B)	LED1	LED (Operation indication : Green)
LED3	Transmission (Indoor-outdoor)	LED2	LED (Preparation for heating : Orange)
SW1	Switch (Model selection) *See Table 1	REC1	Receiving unit
SW2	Switch (Capacity code) *See Table 2	OPTION PART	
SWE	Connector (Emergency operation)		
RFI	Radio frequency interface for RF thermostat		
		R.B	Wired remote controller board
		TB6	Terminal block (Remote controller transmission line)



## Notes:

1. Symbols used in wiring diagram above are, : Connector, : Terminal (block).
2. Indoor and outdoor connecting wires have polarities, make sure to match terminal numbers (S1, S2, S3) for correct wirings.
3. Since the outdoor side electric wiring may change, be sure to check the outdoor unit electric wiring diagram for servicing.
4. This diagram shows the wiring of indoor and outdoor connecting wires. (specification of 230V), adopting superimposed system of power and signal.

※1 : Use copper supply wires.

**WARRANTY**



## Mitsubishi Electric Mr. Slim® Split Air-conditioner and Heat-pump Systems LIMITED WARRANTY

MEUS warrants as follows to the original owner of this Mr. Slim product that, if purchased from and installed by a contractor licensed for HVAC installation under applicable local and state laws within the continental United States, Alaska and Hawaii, should it prove defective by reason of defects arising from improper workmanship and/or material:

**A. FIVE YEAR ON PARTS.** The parts are warranted for a period of five (5) years to the original end-user of this System. If it should prove defective due to improper workmanship and/or material for a period of five (5) years from the date of installation, MEUS will replace any defective part without charge for the part. Replacement parts are warranted for the remainder of the original 5-year warranty period. Parts used for replacement may be of like kind and quality and may be new or remanufactured. Defective parts must be made available to MEUS in exchange for the replacement part and become the property of MEUS.

**B. ADDITIONAL TWO-YEAR COMPRESSOR WARRANTY.** The compressor is warranted for a total period of seven (7) years to the original end-user of this System. If it should prove defective due to improper workmanship and/or material for a period of seven (7) years from the date of installation, MEUS will replace any defective compressor without charge for the compressor. Replacement compressors are warranted for the remainder of this warranty period. Compressors used for replacement may be of like kind and quality and may be new or remanufactured. Defective compressors must be made available to MEUS in exchange for the replacement compressor and become the property of MEUS.

**C. NO LABOR. THESE LIMITED WARRANTIES DO NOT INCLUDE LABOR** or any other costs incurred for service, maintenance, repair, removing, replacing, installing, complying with local building and electric codes, shipping or handling, or replacement of the System, compressors or any other parts. For items that are designed to be maintained or replaced by the owner, the owner is solely responsible for all labor and other costs of maintaining, installing, replacing, disconnecting or dismantling the System and parts (such as filters or belts) in connection with owner-required maintenance. Air filter cleaning and/or replacement for each applicable indoor unit are owner-required maintenance, and labor for this procedure is not covered under warranty. Please consult the applicable technical documentation for air filter cleaning and other maintenance procedures.

**D. Proper Installation.** This Limited Warranty applies only to Systems that are installed by contractors who are licensed for HVAC installation under applicable local and state law, and who install the Systems in accordance with (i) all applicable building codes and permits; (ii) MEUS's installation and operation instructions; and (iii) good trade practices.

**BEFORE REQUESTING SERVICE**, please review the applicable technical documentation to insure proper installation and correct customer control adjustment for the System. If the problem persists, please arrange for warranty service.

### 1. TO OBTAIN WARRANTY PARTS SERVICE:

(a) Contact the licensed contractor who installed the System or the nearest licensed contractor, dealer or distributor (whose name and address may be obtained on our website at [www.mehvac.com](http://www.mehvac.com)) of any defect within the applicable warranty time period.

(b) Proof of the installation date by a licensed contractor is required when requesting warranty service. Present the sales receipt, building permit or other document which establishes proof and date of installation. Otherwise, this Limited Warranty shall be deemed to begin one hundred twenty (120) days after the date of manufacture stamped on the System. **THE RETURN OF THE OWNER REGISTRATION CARD IS NOT A CONDITION OF COVERAGE UNDER THIS LIMITED WARRANTY.** However, please return the Owner Registration Card so that MEUS can contact you if a question of safety arises.

(c) This Limited Warranty applies only while the System remains at the site of the original installation and only to locations within the continental United States, Alaska and Hawaii.

**2. THIS LIMITED WARRANTY DOES NOT COVER:** property damages, malfunction or failure of the System, or personal injury caused by or resulting from: (a) accident, abuse, negligence or misuse; (b) operating the System in a corrosive or wet environment containing chlorine, fluorine or any other hazardous chemicals; (c) installation, alteration, repair or service by anyone other than a licensed contractor or other than pursuant to the manufacturer's instructions; (d) improper matching of System components; (e) improper sizing of the System; (f) improper or deferred maintenance contrary to the manufacturer's instructions; (g) physical abuse to or misuse of the System (including failure to perform any maintenance as described in the Operation Manual such as air filter cleaning, or any System damaged by excessive physical or electrical stress); (h) Systems that have had a serial number or any part thereof altered, defaced or removed; (i) System used in any manner contrary to the

Revised July 2009

Operation Manual; (j) freight damage; or (k) damage caused by force majeure or other factors such as power surge damage caused by lightning and fluctuations in or interruptions of electrical power.

**3. THIS LIMITED WARRANTY ALSO EXCLUDES:** (a) SERVICE CALLS WHERE NO DEFECT IN THE SYSTEM COVERED UNDER THIS WARRANTY IS FOUND; (b) System installation or set-ups; (c) adjustments of user controls; or (d) Systems purchased or installed outside the continental United States, Alaska and Hawaii. Consult the operating instructions for information regarding user controls.

4. This Limited Warranty shall not be enlarged, extended or affected by, and no obligation or liability shall arise or grow out of, MEUS providing, directly or indirectly, any technical advice, information and/or service to Owner in connection with the System.

**5. EXCEPT AS OTHERWISE PROVIDED IN THIS LIMITED WARRANTY, MEUS MAKES NO OTHER WARRANTIES OF ANY KIND WHATSOEVER REGARDING THE SYSTEM. MEUS DISCLAIMS AND EXCLUDES ALL WARRANTIES NOT EXPRESSLY PROVIDED HEREIN AND ALL REMEDIES WHICH, BUT FOR THIS PROVISION, MIGHT ARISE BY IMPLICATION OR OPERATION OF LAW, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR ANY PARTICULAR PURPOSE. NO ONE IS AUTHORIZED TO CHANGE THIS LIMITED WARRANTY IN ANY RESPECT OR TO CREATE ANY OTHER OBLIGATION OR LIABILITY FOR MEUS IN CONNECTION WITH THE SYSTEM. MEUS DISCLAIMS ALL LIABILITY FOR THE ACTS, OMISSIONS AND CONDUCT OF ALL THIRD PARTIES (including, without limitation, the installing contractor) IN CONNECTION WITH OR RELATED TO THE SYSTEM.**

**6. UNDER NO CIRCUMSTANCES SHALL MEUS BE LIABLE FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES INCLUDING, WITHOUT LIMITATION, LOST GOODWILL, LOST REVENUES OR PROFITS, WORK STOPPAGE, SYSTEM FAILURE, IMPAIRMENT OF OTHER GOODS, COSTS OF REMOVAL AND REINSTALLATION OF THE SYSTEM, LOSS OF USE, INJURY TO PERSONS OR PROPERTY ARISING OUT OR RELATED TO THE SYSTEM WHETHER BASED ON BREACH OF WARRANTY, BREACH OF CONTRACT, TORT OR OTHERWISE, EVEN IF MEUS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. IN NO EVENT SHALL MEUS'S LIABILITY EXCEED THE ACTUAL PURCHASE PRICE OF THE SYSTEM WITH RESPECT TO WHICH ANY CLAIM IS MADE.**

7. Some states do not allow limitations on warranties or exclusions or limitation of damages, so the above limitations or exclusions may not apply.

8. This Limited Warranty gives the owner specific legal rights and the owner may also have other rights that vary from state to state.

9. This Limited Warranty is valid only in the continental United States, Alaska and Hawaii, and it is not transferable.

**MITSUBISHI ELECTRIC & ELECTRONICS USA, INC.**  
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**Suwanee, GA 30024-9928**

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**I, O & M MANUALS  
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